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FIG. 1

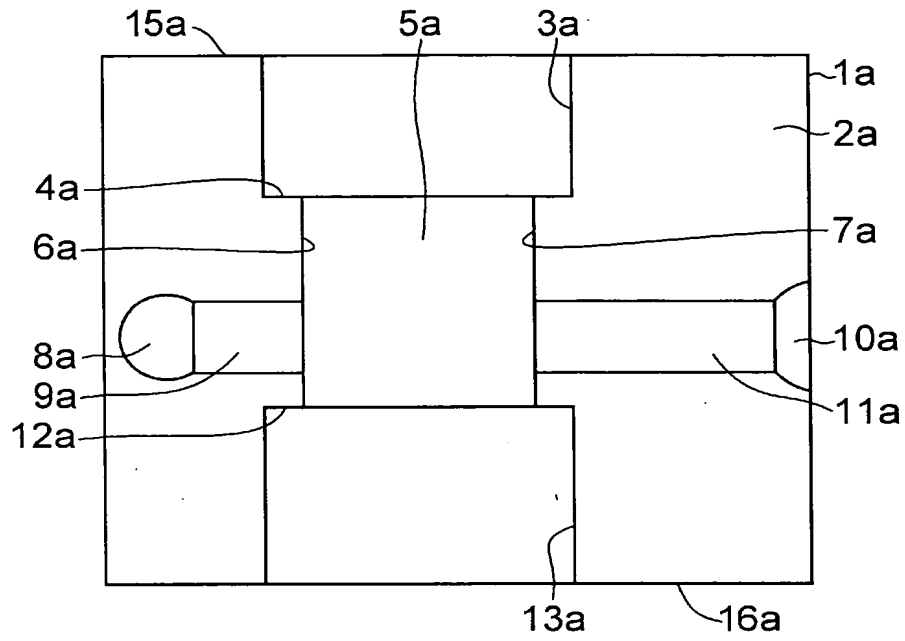
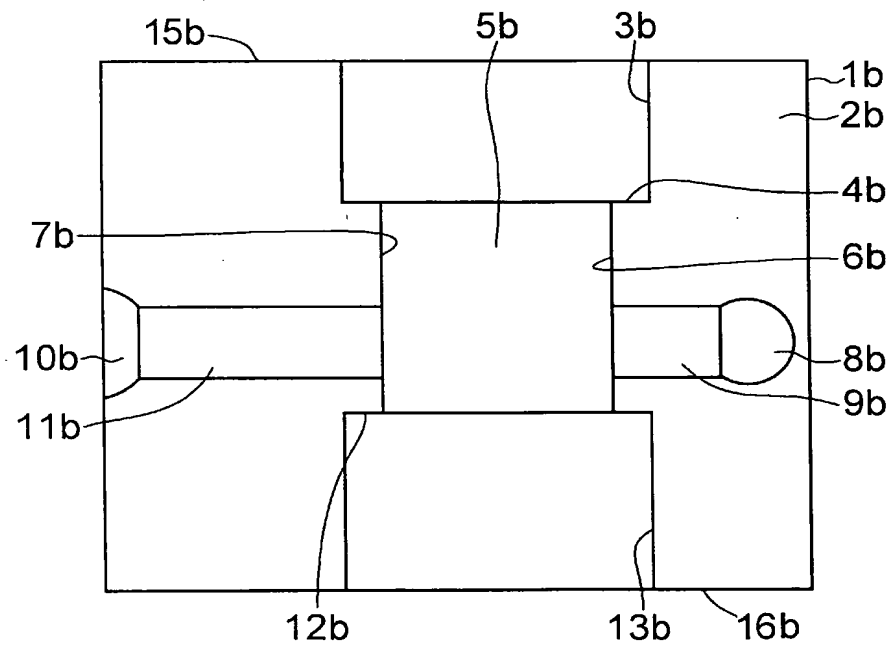


FIG. 2



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FIG. 3

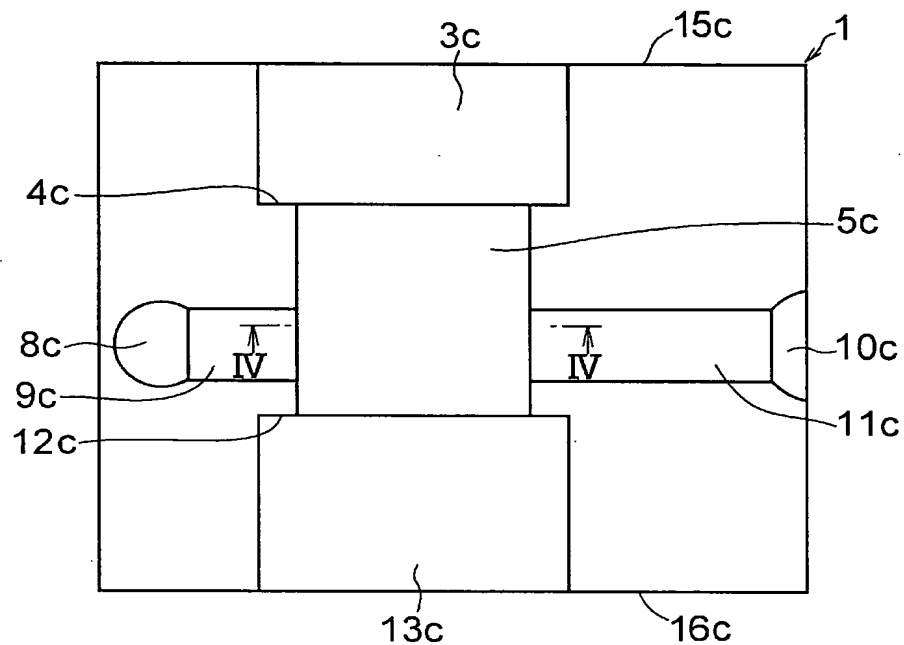
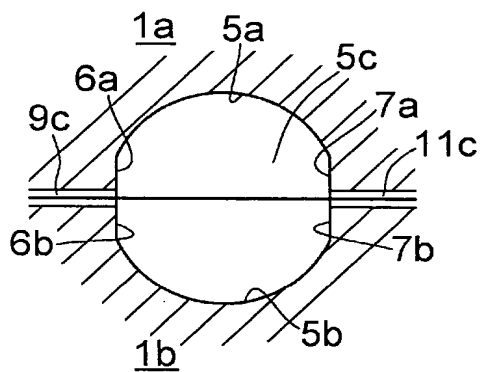
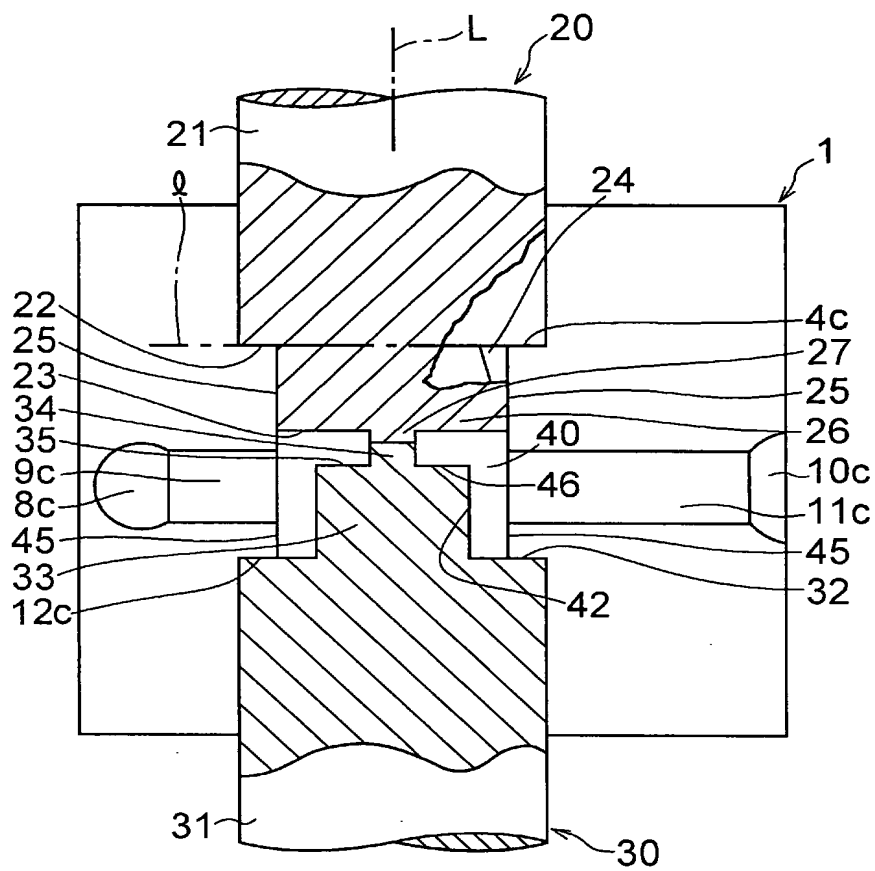


FIG. 4



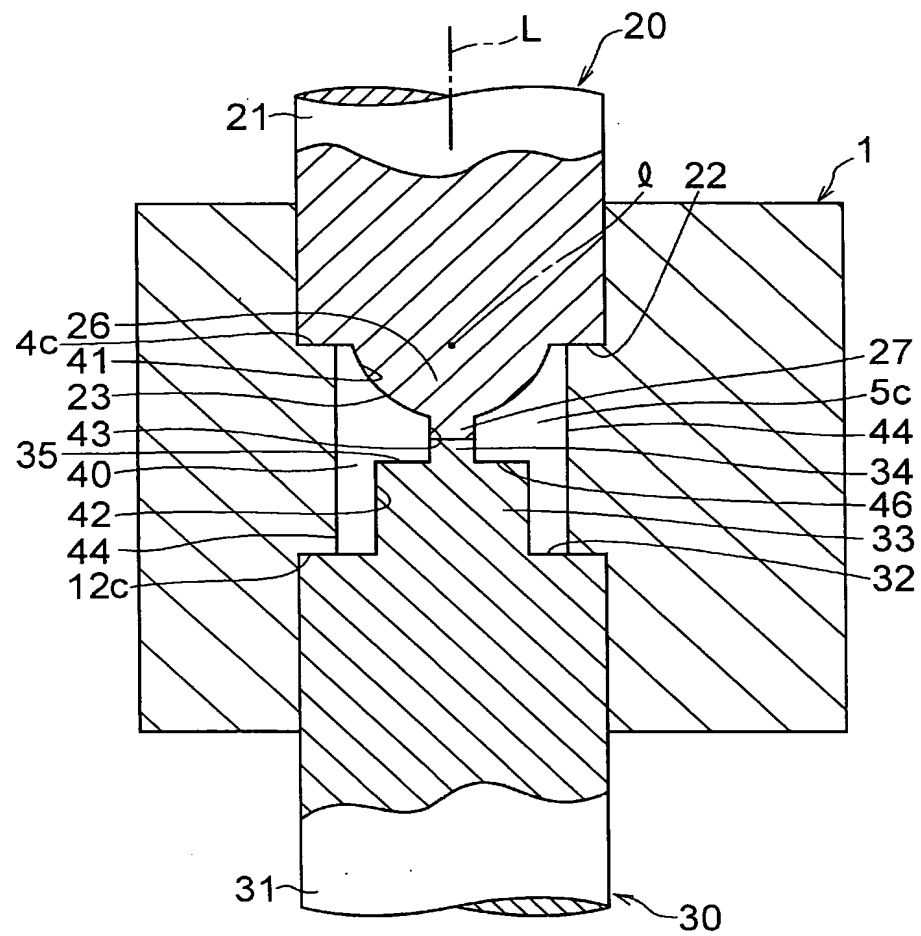
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FIG. 5



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FIG. 6



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FIG. 7

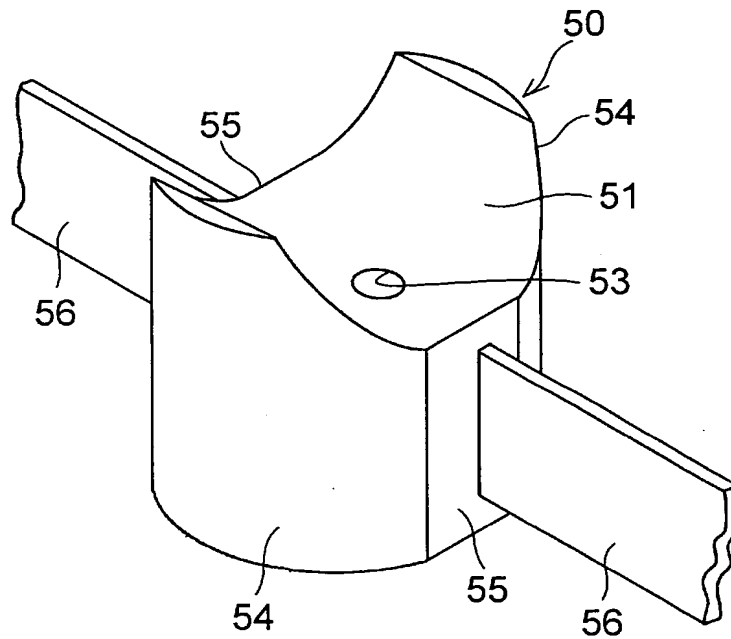
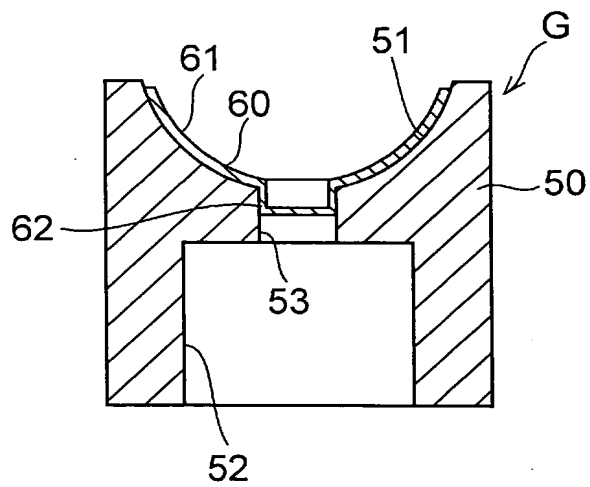


FIG. 8



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FIG. 9

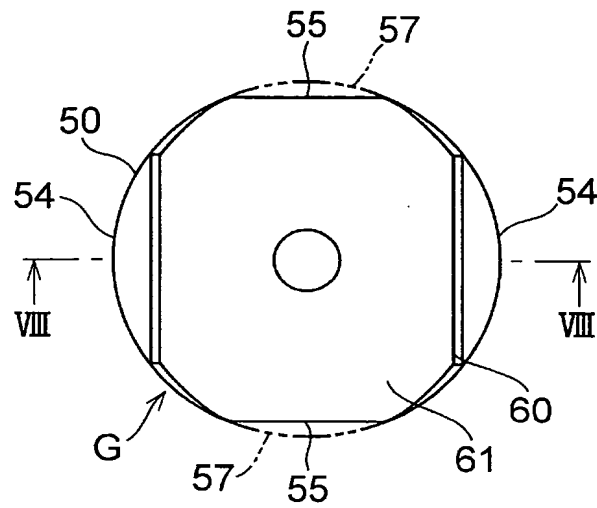
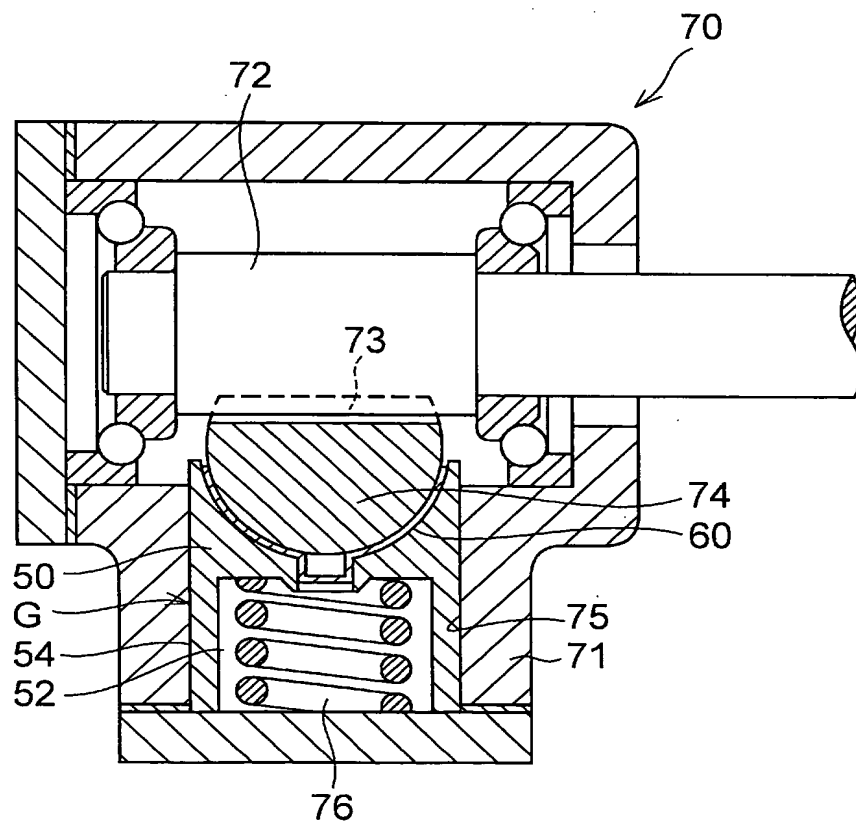


FIG. 10



A detailed cross-sectional diagram of a semiconductor device. The structure consists of several stacked layers and internal features. At the top, there is a layer labeled 80 with diagonal hatching, followed by a layer 81. Below these are layers 4c and 86. A central vertical feature contains layers 87, 103, 95, and 108. To the right of this central feature is another vertical structure containing layers 82, 84, 85, 87, 88, and 108. Further right is a layer labeled 11c. Below these upper sections are two rectangular blocks labeled 106 and 105. Between them is a layer 104. Below these blocks are layers 94 and 93. At the bottom, there is a large base layer 90 with diagonal hatching, and a layer 91 above it. Other labels include 9c on the left side, 100 in the center-right, 92 on the far right, and 12c at the bottom right. A dashed horizontal line is shown across the middle of the device.

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FIG. 13

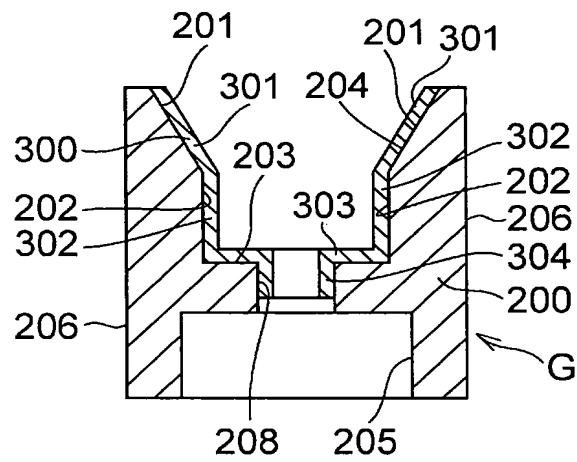


FIG. 14

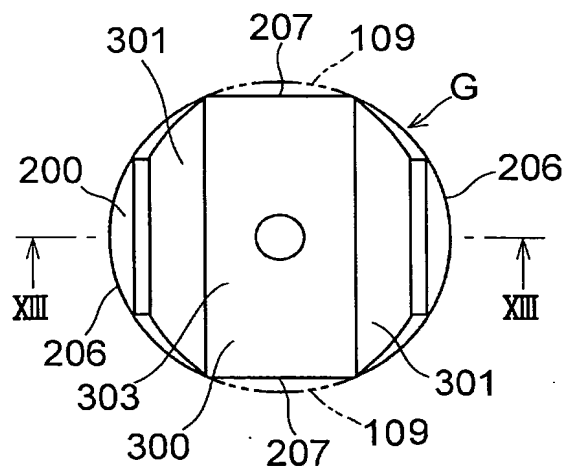




FIG. 15

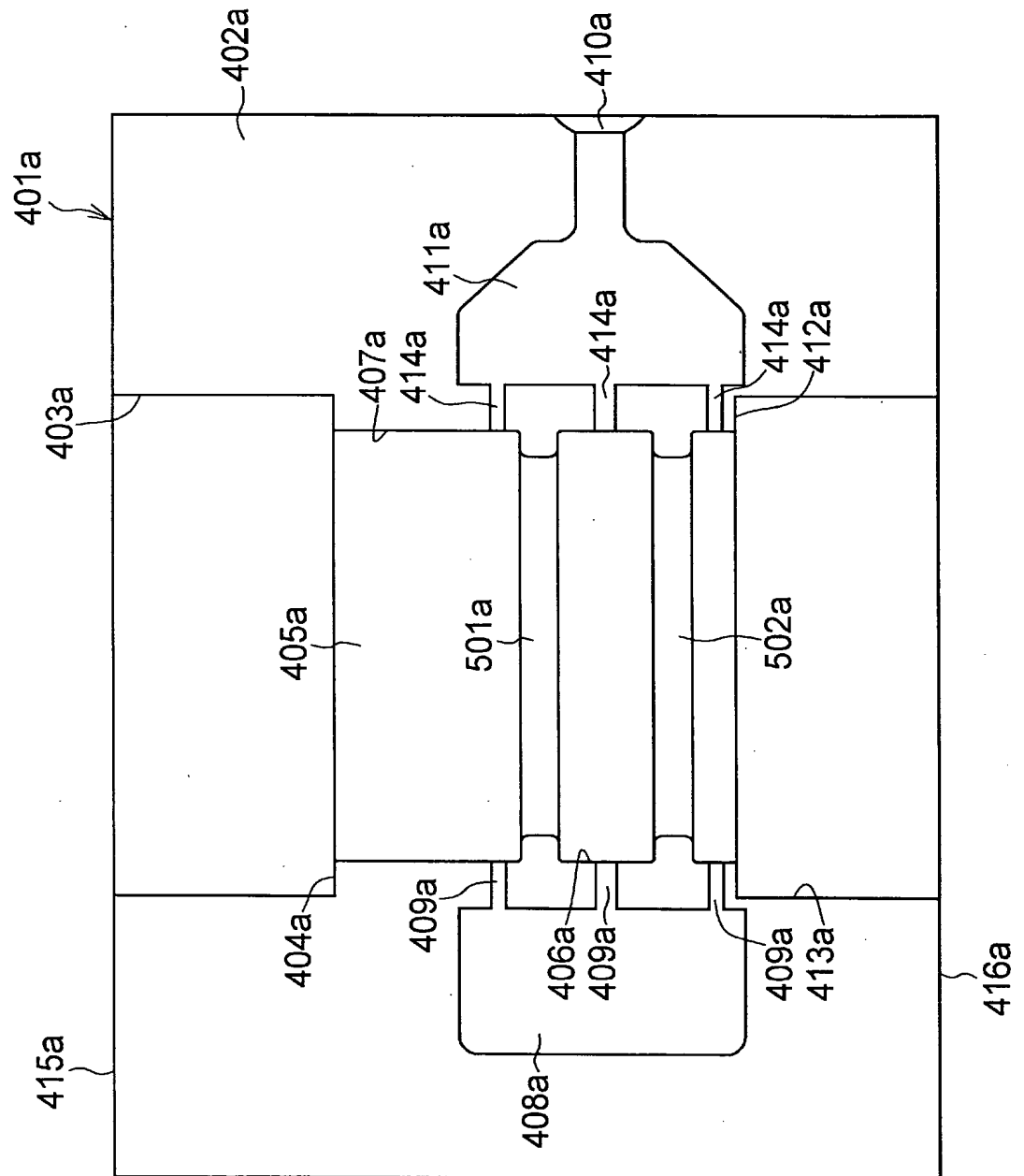


FIG. 16

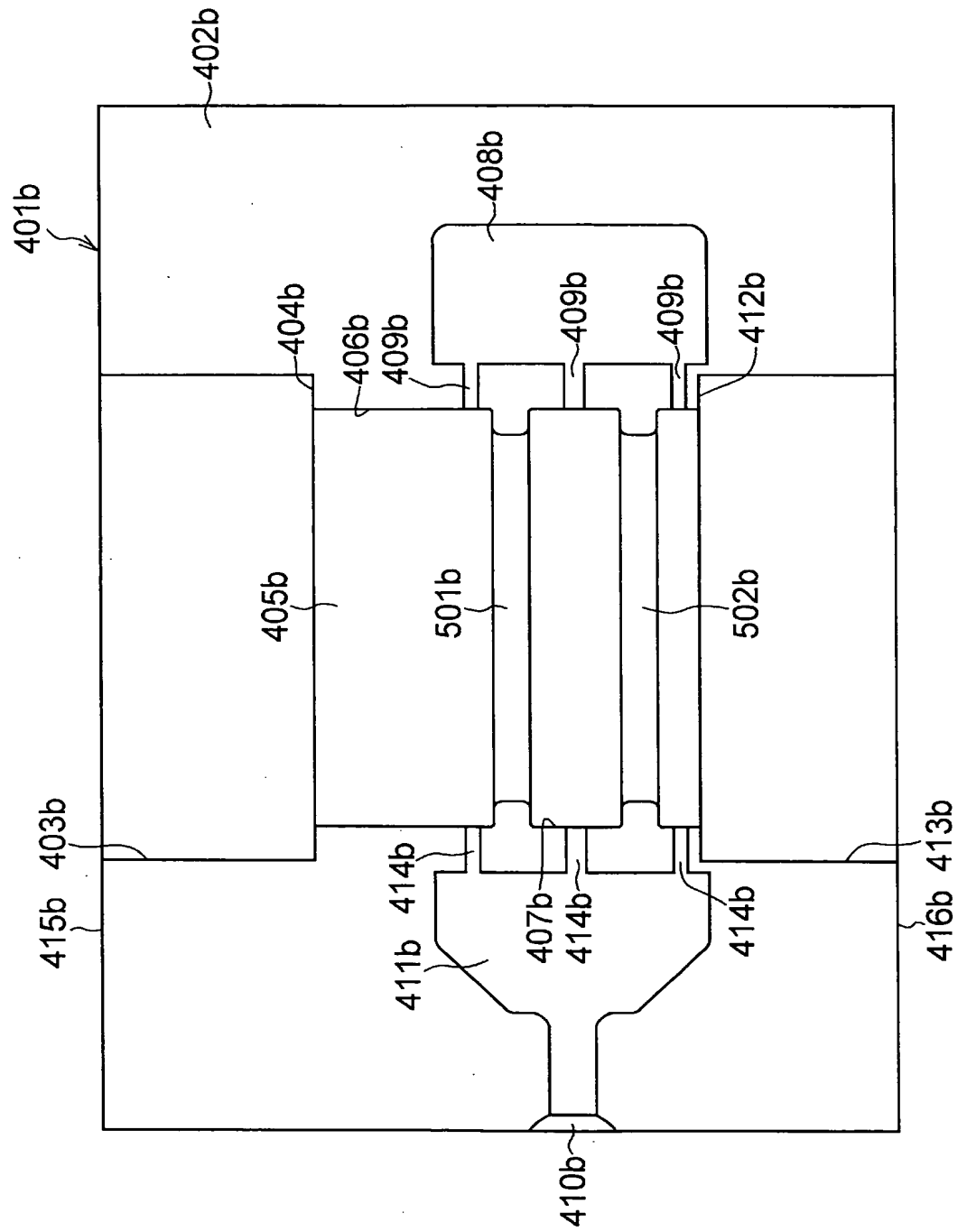
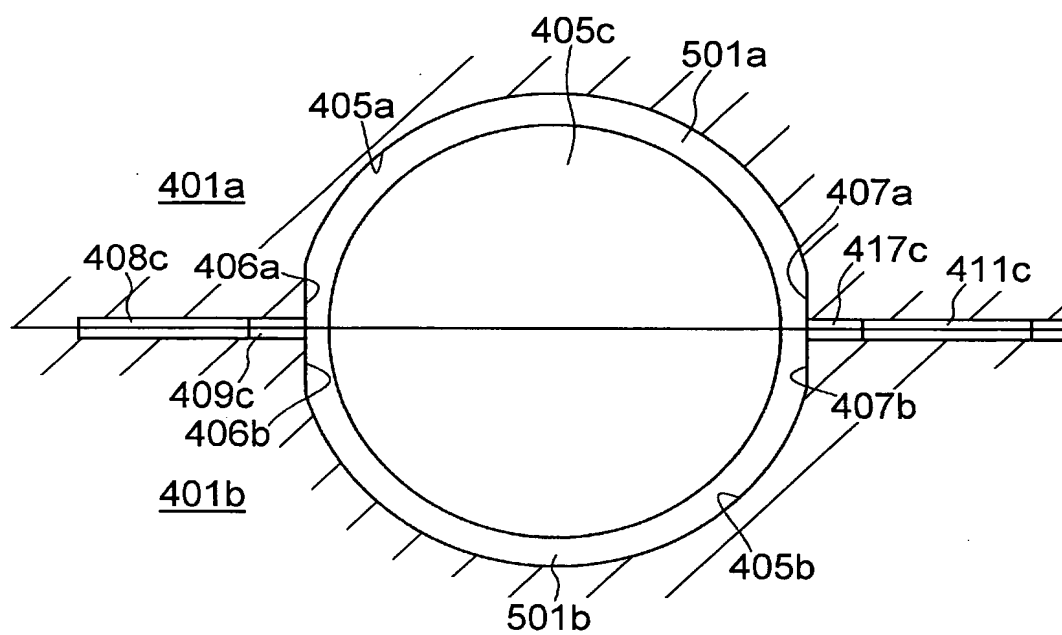


FIG. 4 is a cross-sectional view of a semiconductor device. The device features a central core structure with multiple layers. The core is surrounded by a structure 401. The core includes layers 403c, 404c, 405c, 409c, 410c, 411c, 412c, 413c, 415c, 416c, 417c, 418c, 419c, 420c, 421c, 422c, 423c, 424c, 425c, 426c, 427c, 428c, 429c, 430c, 431c, 432c, 433c, 434c, 435c, 436c, 437c, 438c, 439c, 440c, 441c, 442c, 443c, 444c, 445c, 446c, 447c, 448c, 449c, 450c, 451c, 452c, 453c, 454c, 455c, 456c, 457c, 458c, 459c, 460c, 461c, 462c, 463c, 464c, 465c, 466c, 467c, 468c, 469c, 470c, 471c, 472c, 473c, 474c, 475c, 476c, 477c, 478c, 479c, 480c, 481c, 482c, 483c, 484c, 485c, 486c, 487c, 488c, 489c, 490c, 491c, 492c, 493c, 494c, 495c, 496c, 497c, 498c, 499c, 500c. The core is surrounded by a structure 401. The core includes layers 403c, 404c, 405c, 409c, 410c, 411c, 412c, 413c, 415c, 416c, 417c, 418c, 419c, 420c, 421c, 422c, 423c, 424c, 425c, 426c, 427c, 428c, 429c, 430c, 431c, 432c, 433c, 434c, 435c, 436c, 437c, 438c, 439c, 440c, 441c, 442c, 443c, 444c, 445c, 446c, 447c, 448c, 449c, 450c, 451c, 452c, 453c, 454c, 455c, 456c, 457c, 458c, 459c, 460c, 461c, 462c, 463c, 464c, 465c, 466c, 467c, 468c, 469c, 470c, 471c, 472c, 473c, 474c, 475c, 476c, 477c, 478c, 479c, 480c, 481c, 482c, 483c, 484c, 485c, 486c, 487c, 488c, 489c, 490c, 491c, 492c, 493c, 494c, 495c, 496c, 497c, 498c, 499c, 500c.

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FIG. 18







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FIG. 21

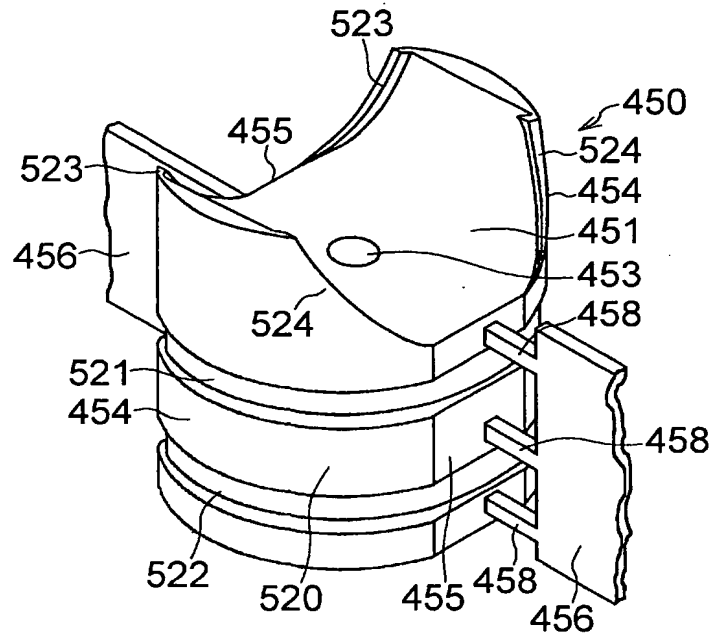
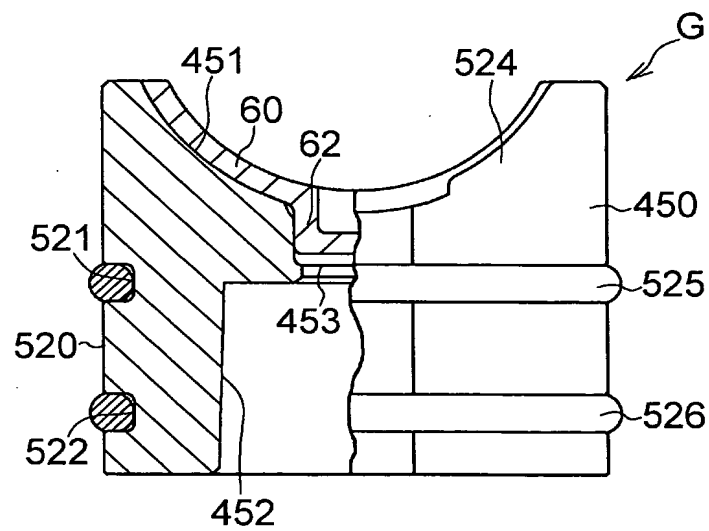


FIG. 22



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FIG. 23

